Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/13/2020 10:07 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124295	-1	3.29	124522	3.26
Blue	F	SSC	125000	124351	-1	1.67	125136	1.71
Blue	E	FITC	15892	15420	-3	2.99	338	21.99
Blue	D	PE	29999	29254	-3	2.05	637	15.99
Blue	B	PerCP-Cy5-5	43732	43572	-1	3.97	1167	22.22
Blue	A	PE-Cy7	30845	30677	-1	6.67	583	44.81
Red	C	APC	46112	44811	-3	2.43	1586	12.28
Red	A	APC-Cy7	30458	29414	-4	2.35	779	12.26
Violet	B	V450	7918	7565	-5	4.39	426	14.07
Violet	A	V500	32171	31656	-2	4.16	738	10.70

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16751	18.48	656	35	N/A	N/A	Pass
Blue	F	SSC	56668	1.30	586	27	N/A	N/A	Pass
Blue	E	FITC	60	70.60	555	12	0.0162	146	Pass
Blue	D	PE	134	53.63	561	13	0.1362	274	Pass
Blue	B	PerCP-Cy5-5	213	54.73	672	16	0.0076	62	Pass
Blue	A	PE-Cy7	108	115.10	718	20	0.0093	30	Pass
Red	C	APC	377	25.80	589	5	0.0237	160	Pass
Red	A	APC-Cy7	171	29.86	561	5	0.0053	1138	Pass
Violet	B	V450	65	60.65	463	5	0.0372	1438	Pass
Violet	A	V500	110	35.74	480	6	0.0228	1052	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.82	-31.82	0.99
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.43
Red	14.77	13.60 - 20.40	N/A	N/A	28.92	29.77	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9663

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments